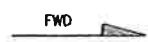


PLAN



CARGO SYSTEM VALVES

- 1 PUMP SUCTION VALVE
- 1A PUMP SUCTION VALVE, #3 TANK
- 2 PUMP DISCHARGE VALVE
- 3 PUMP DISCHARGE CHECK VALVE
- 4 PRESSURE RELIEF VALVE
- 5 CARGO FILL/LOAD VALVE
- 5A CARGO FILL/LOAD VALVE, #3 TANK
- 6 PORT & STBD. HEADER VALVES
- 7 #1 PORT CARGO FILL/SUCTION VALVE
- 7A #1 PORT CARGO STRIPPING VALVE
- 8 #1 STBD. CARGO FILL/SUCTION VALVE
- 8A #1 STBD. CARGO STRIPPING VALVE
- 9 #2 PORT CARGO FILL/SUCTION VALVE
- 9A #2 PORT CARGO STRIPPING VALVE
- 10 #2 STBD. CARGO FILL/SUCTION VALVE
- 10A #2 STBD. CARGO STRIPPING VALVE
- 11 #3 PORT CARGO FILL/SUCTION VALVE
- 11A #3 PORT CARGO STRIPPING VALVE
- 12 #3 STBD. CARGO FILL/SUCTION VALVE
- 12A #3 STBD. CARGO STRIPPING VALVE
- PU PUMP

CARGO LOADING:

- A OPEN VALVES NO. 5,6,7,8,9 & 10 FOR TANK #1 & 2
OR OPEN VALVES NO. 5A, 6, 11 & 12 FOR TANK #3
- B CLOSE VALVES NO. 2
- C VENT TANKS

CARGO DISCHARGE

- A OPEN VALVES NO. 1,2,6,7,8,9 & 10 FOR TANK #1 & 2
OR OPEN VALVES NO: 1A, 2, 6, 11 & 12 FOR TANK #3
- B CLOSE VALVES NO. 5 OR 5A
- C VENT TANKS

VAPOR SYSTEM:

- V1 VENT STACK VALVE
- V2 PRESS/VACCUM VALVE
- V3 VENT STACK
- V4 RAIN CAP
- V5 VAPOR SWIVEL JOINT
- V6 VAPOR HDR VALVE
- V7 VAPOR BLOCK VALVE

FMT 3009

REV	NO.	DESCRIPTION	DATE	BY
REVISIONS				
TRINITY MARINE PRODUCTS, INC.				
<small>As shown these drawings and specifications are a guaranteed basis with an expressed understanding that they will not be applied to any material, used for construction, build, installation, use and to the detriment of any life without written permission. The original contract agreement set to determine these standards, should be referred to for any other parts except for those specifically prepared for this job drawing set.</small>				
 TRINITY MARINE PRODUCTS, INC. 2901 State Road 10 - Grand Cay, FL 33033				
FLORIDA MARINE TRANSPORTERS, INC. 297'-6" X 54'-0" X 12'-0" DOUBLE SKIN TANK BARGE CARGO PIPING DIAGRAM & VAPOR SYSTEM DIAGRAM				
SCALE:	NONE	DATE:	7/20/98	DWG. NO.
DRAWN BY:	SP	CHECK BY:		APPR BY:
INVD:	ASHLAND DRY	TAC. NO.:	98038	P-1
MAIL NO.:	4336, 4337	SHIP ORDER:		SHEET 1 OF 1
				REV. 0

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